

DIV. II

MINISTRY OF HEALTH

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**EAST HERTFORDSHIRE
COMBINED DISTRICTS.**



Annual Report

OF THE

MEDICAL OFFICER.

1935.

(1) B.I. 1 month
(2) Mr. Hurd - stab.

Jan 4/8/36



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Sanitary Inspectors.

JOHN BARNISH *	-	-	(The Castle) Hertford (M.B.)
WM. NOEL DAVID *	-	-	(Council Offices) Hoddesdon (U.D.)
JOHN LORD *	-	(4, The Causeway)	Bishop's Stortford (U.D.)
STANLEY BARKER *	-	-	(The Priory) Ware (U.D.)
LAURENCE J. DALE * †	-	(97 New Road)	Ware (R.D.)
W. N. JARVIS †	(58, Warwick Road, Bishop's Stortford)	}	Braughing (R.D.)
ERNEST J. THODY †	(Bridgefoot House, Buntingford)		
J. W. RIGGS †	-	-	(Westmill Road, Bengoe) Hertford (R.D.)

*Certified Meat Inspector.

†Also District Council Surveyor.

PREFACE.

The following Report on the health of the Combined Districts has been drawn upon the lines indicated in the memorandum of the Ministry of Health.

The chief vital statistics for the year 1935 were:—

				Resident Population	Birth Rate	Death Rate	Infantile Mortality
MUNICIPAL BOROUGH.							
Hertford	...	...	...	13,270	10'6	9'5	72
URBAN DISTRICTS.							
Bishop's Stortford	...	...	...	10,560	13'1	10'2	29
Hoddesdon	...	...	...	11,615	13'9	9'2	47
Ware	...	...	...	7,409	15'1	10	18
RURAL DISTRICTS.							
Ware	...	...	...	9,400	12'1	9'2	47
Braughing	...	...	...	9,023	11'8	8'2	50
Hertford	...	...	...	6,829	13'5	10'1	42
East Herts C.D.	...	...	...	68,106	12'7	10'1	44
England and Wales	...	...	...		14'7	11'7	57

These rates have been calculated on the Registrar-General's estimate of the resident population in 1935.

That part of the Report dealing with the Sanitary Inspection of the Area has been tabulated by the Sanitary Inspectors of the different districts (under Article 19 of the Sanitary Officers Order, 1926). They have also compiled the Housing Statistics.

ALAN D. WHITELAW,
Medical Officer of Health.

THE CASTLE,
HERTFORD.

June, 1936.

I. General Statistics.

	Area (acres)	Number of inhabited houses (end of 1935, according to Rate Books)	Density (persons per acre)	Density (houses per acre)	Average number of occupants per house	Rateable value	Sum represented by a Penny Rate
						£	£
Hertford (M.B.)	3,937	3,416	3.4	0.9	3.8	90,778	362
Bishop's Stortford	3,761	2,977	2.8	0.8	3.5	82,606	320
Hoddesdon ...	4,423	3,123	2.6	0.7	3.7	78,973	302
Ware (U.D.) ...	1,358	1,921	5.4	1.4	3.8	41,051	153
Ware (R.D.) ...	29,102	2,661	0.3	0.09	3.5	60,618	230
Braughing ...	45,554	2,848	0.2	0.06	3.2	42,531	155
Hertford (R.D.) ...	32,686	2,002	0.3	0.06	3.4	34,138	148

	BIRTHS						DEATHS	Natural Increase or Decrease
	Legitimate	Illegitimate		TOTAL				
		Number	Per-centage	M.	F.			
Hertford (M.B.)	132	6	4·3	80	58	130	+8	
Hoddesdon ...	143	5	3·4	60	88	105	+43	
Bishop's Stortford	131	7	5·1	79	59	107	+31	
Ware (U.D.) ...	107	2	1·8	59	50	72	+37	
Ware (R.D.) ...	122	5	3·9	71	56	116	+11	
Braughing ...	79	1	1·3	39	41	74	+6	
Hertford (R.D.)	92	3	3·2	35	60	81	+14	
East Herts (C.D.)	806	29	3·5	423	412	685	+150	

CAUSES OF DEATH.		Hertford (M.B.)		Bishop's Stortford		Hoddesdon		Ware U.D.		Ware R.D.		Hertford R.D.		Braughing	
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
ALL CAUSES	...	74	56	48	59	49	56	42	30	70	46	32	49	37	37
Measles	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Whooping Cough	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Influenza	...	3	1	2	1	...	...	...	1	1	1	...	...	2	2
Notifiable infectious diseases (including Tuberculosis)	...	9	1	2	4	1	2	3	3	10	2	3	3	5	1
Syphilis (including G.P.I., Tabes Dorsalis and Aneurysm)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cancer	...	8	10	6	7	6	11	5	8	1	...	1	6	7	2
Diabetes	...	...	...	1	2	1	...	...	...	1	...	...	...	1	1
Cerebral haemorrhage	...	6	2	...	2	3	4	1	...	1	2	1	5	1	4
Heart disease	...	15	17	9	18	18	11	14	5	18	13	6	12	8	13
Other circulatory diseases	...	2	5	4	8	1	7	4	2	6	1	5	3	3	1
Bronchitis	...	...	3	...	...	2	...	1	1	1	3	1	1	1	1
Pneumonia	...	6	3	4	...	2	4	2	4	6	2	3	3	2	1
Other respiratory diseases	...	1	2	...	1	2	...	3	...	2	...	...	...	1	...
Peptic ulcer	...	...	...	...	1	...	1	...	...	...	...	1	...	...	...
Diarrhoea, &c., (under 2 years)	...	...	...	...	...	1	...	...	...	...	...	1	1	...	...
Appendicitis	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
Cirrhosis of liver	...	1	2	...	1	1	1	2	2	1	3	2	3	1	1
Other liver diseases	...	2	2	2	2	3	1	2	1	3	3	1	1	...	...
Other digestive diseases	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nephritis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal sepsis	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...
Other puerperal causes	...	...	...	...	...	...	...	...	...	4	1	...	1	1	1
Congenital causes, &c.	...	4	1	2	0	2	2	...	...	...	...	...	1	1	1
Senility	...	1	7	...	...	...	3	...	...	...	1	...	5	1	1
Suicide	...	1	...	...	1	1	...	1	...	...	...	...	...	1	3
Other forms of violence	...	1	1	3	1	2	...	...	...	6	1	2	3	3	3
Other defined diseases	...	9	4	10	8	5	6	1	1	1	1	1	...	...	...
Causes, ill-defined or unknown	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Deaths of infants under 1 year	...	6	4	3	1	3	4	1	1	4	2	2	2	2	2
Still births	...	6	...	2	4	2	...	2	2	4	0	1	1	1	1

II.—General Provision of Health Services for the Area.

Nursing in the Home.

This is carried out by the Hertfordshire County Nursing Association.

Laboratory Facilities.

The examination of clinical material (swabs, sputum and blood) is carried out at the County Mental Hospital Laboratory, Hill End, St. Albans.

Samples of milk and water are analysed either at St. Albans, or the Counties Public Health Laboratories, London, E.C. according to facility of transport.

Legislation in force.

The Public Health Acts (Amendment) Act, 1890, has been adopted now by Hertford (M.B.), Bishop's Stortford, Hoddesdon, Ware (U.D.), Ware (R.D.), and Braughing (R.D.)

Part of the Public Health (Amendment) Act, 1907, and the Public Health Act, 1925, by Hertford (M.B.), Bishop's Stortford and Hoddesdon, and Ware (U.D. and R.D.); and The Small Dwellings Acquisition Act by Bishop's Stortford, Hoddesdon and Hertford (R.D.)

Housing Act, 1925.

Regulations are in force in Hertford (M.B.) in respect of underground sleeping rooms (section 18 (1)) and Byelaws as to Houses let in lodgings (section 6).

Rag Flock Acts, 1911 and 1928.

There are no premises on which rag flock is manufactured, used or sold.

Hospitals (Voluntary).

HERTFORD. County Hospital (165 beds).

BISHOP'S STORTFORD. The Hospital (61 beds).

County Institutions (Infirmaries).

BISHOP'S STORTFORD. Haymeads (166 beds; 75 male, 91 female*).

*including 5 Maternity beds and 4 cots.

WARE. Western House (85 beds; 42 male, 40 female*, 3 children's).

*including 2 Maternity beds.

Ambulance Facilities.

(a) For Infectious cases. A motor ambulance is kept at each of the Isolation Hospitals at Hertford and Bishop's Stortford.

Tuberculosis cases travel to and from Ware Park Sanatorium in a motor ambulance belonging to the Herts County Council.

(b) A motor ambulance is provided by the County Hospital, Hertford, for general use in the district and another (the property of the St. John's Ambulance Association) is stationed at the Priory, Ware; while at Bishop's Stortford the one at the Poor Law Institution is available for the use of the public.

Arrangement for the disinfection of infected clothing, &c.

Disinfection of bed linen and blankets is carried out at the Isolation Hospital serving the district in which the patient lives.

Arrangements for the disinfection of houses and schools.

Fumigation with Formaldehyde is carried out under the supervision of the Sanitary Inspector in all districts.

NUMBER OF PREMISES DISINFECTED DURING 1935.

Hertford (M.B.)	...	45	Ware (R.D.)	...	58
Hoddesdon	...	40	Braughing	...	20
Bishop's Stortford	...	10	Hertford (R.D.)	...	22
Ware (U.D.)	...	30			

III.—Infectious Diseases.

	Small Pox.	Enteric Fever.	Scarlatina.	Diphtheria.	Puerperal Fever.	Puerperal Pyrexia.	Pneumonia.	Erysipelas.	Ophthalmia Neonatorum.	Cerebro Spinal Meningitis.	Acute Poliomyelitis.
Hertford (M.B.)	—	—	*37	*18	§2	7	⁵ 5	1	—	—	—
B'p's Stortford	—	—	1	6	*1	3	⁴ 7	*5	1	*1	—
Hoddesdon	—	—	27	*13	—	—	⁴ 17	2	—	—	—
Ware (U.D.)	—	—	*23	4	—	—	⁶ 6	1	1	*1	—
Ware (R.D.)	—	2	46	*19	—	3	⁵ 9	1	—	—	2
Braughing	—	—	19	—	2	1	⁵ 8	2	—	—	1
Hertford (R.D.)	—	—	18	6	—	—	³ 3	—	—	—	—

* 1 Death.

§ 2 Deaths.

Schemes for the immunisation of school children against Diphtheria are now in operation in the Borough of Hertford, Hoddesdon (U.D.) and Ware (R.D.).

Case Rates.

	Per 1000 population.					Per 1000 births.	
	Scarlatina	Diphtheria	Enteric Fever	Erysipelas	Pneumonia	Puerperal Fever	Puerperal Pyrexia
Hertford (M.B.) ...	2'83	1'4	0	0'1	0'38	14'5	50'7
Hoddesdon ...	2'53	1'2	0	0'18	1'59	0	0
Bishop's Stortford ...	0'09	0'6	0	0'47	0'66	7'2	21'7
Ware (U.D.) ...	3.18	0'6	0	0'14	0'83	0	0
Ware (R.D.) ...	4'38	1'8	0'19	0'1	0'86	0	23'6
Braughing ...	2'81	0	0	0'3	0'59	25	12'5
Hertford (R.D.) ...	2'56	0'9	0	0	0'43	0	0
East Herts (C.D.) ...	2'6	1	0'03	0'18	0'84	6	16'77
England & Wales ...	2'96	1'6	0'04	0'42	1'15	3'6	9'44

Previous Five Years

	Scarlatina.					Diphtheria.				
	1930.	1931.	1932.	1933.	1934.	1930.	1931.	1932.	1933.	1934.
Hertford (M.B.)	9	18	18	*27	21	—	*3	*11	2	16
B'p's Stortford	11	2	30	65	13	3	4	§5	1	2
Hoddesdon ...	8	35	*13	11	34	2	5	3	*8	1
Ware (U.D.) ...	4	10	19	7	13	3	—	†7	2	3
Ware (R.D.) ...	18	22	§11	16	25	10	2	*12	12	*14
Braughing ...	7	8	8	16	22	*14	11	3	—	2
Hertford (R.D.)	7	5	6	5	8	1	—	—	2	1
East Herts (C.D.)	64	100	105	147	136	33	25	41	27	39

* 1 Death.

§ 2 Deaths.

† 3 Deaths.

Isolation Hospitals.

Hertford Borough, Ware and Hoddesdon Urban Districts, and the Rural Districts of Ware and Hertford are served by the Hertford and Ware Joint Hospital (52 beds) at Gallows Hill, Hertford.

Bishop's Stortford (U.D.) and Braughing (R.D.) are served by a Joint Hospital at Haymeads Lane, Bishop's Stortford (15 beds).

Supplies of diphtheria anti-toxin for the use of practitioners in the district are kept at the Hertford and Bishop's Stortford Hospitals, and at Hertford Castle, Ware Priory and Hoddesdon Council Offices. At the Sanitary Inspector's Office, Buntingford, Tetanus anti-toxin is kept as well as Diphtheria anti-toxin. Hoddesdon and Bishop's Stortford provide free serum for the treatment of Lobar Pneumonia in necessitous cases.

Tuberculosis.

New Cases and Mortality during 1935.

	NEW CASES.					TOTAL.	DEATHS.				Mortality Rate per 1,000 population.
	Res- piratory. M.	F.	Non-Res- piratory. M.	F.	Res- piratory. M.		F.	Non-Res- piratory. M.	F.		
Hertford (M.B.) ...	3	5	4	—	12	5	1	3	—	0·7	
Bishop's Stortford...	3	4	1	—	8	3	1	—	—	0·4	
Hoddesdon...	3	2	3	2	10	—	2	—	—	0·2	
Ware (U.D.) ...	7	4	—	2	13	2	2	1	—	0·7	
Ware (R.D.) ...	7	1	2	2	12	8	2	—	—	1·0	
Braughing ...	4	2	2	—	8	3	1	2	—	0·9	
Hertford (R.D.) ...	3	1	—	—	4	3	2	—	—	0·7	
East Herts (C.D.)...	30	19	12	6	67	24	11	6	—	0·6	

*Number of cases remaining on the Register
at the end of the year.*

	Respiratory.		Non-Respiratory.		Total.
	M.	F.	M.	F.	
Hertford (M.B.) ...	20	17	12	8	57
Hoddesdon ...	30	16	12	7	65
Bishop's Stortford ...	27	17	3	3	50
Ware (U.D.) ...	25	8	10	7	50
Ware (R.D.) ...	14	10	7	5	36
Braughing ...	22	15	6	2	45
Hertford (R.D.) ...	8	5	—	6	19
East Herts (C.D.)...	146	88	50	38	322

SANITARY INSPECTION OF THE AREA.

	Hertford (M.B.)	Bishop's Stortford	Hoddesdon	Ware (U.D.)	Ware (R.D.)	Braughing	Hertford (R.D.)
Total number of dwelling-houses inspected	181	138	156	227	370	600	564
Number of dwelling-houses inspected under the Public Health Acts	61	24	98	91		104	
Re-inspections and visits (including interviews with owners ...	782	493	294	1040	410	113	63
Registered and Licensed Premises inspected	269	333	268	152	243	155	184
Visits <i>re</i> cases of Infectious Disease	38	7	38	47	48	38	22
Miscellaneous inspections	98	89	62	32		17	13
Number of Letters sent	122	99	150		356	470	
" Informal Notices	84	152	68	153	24	82	55
" Statutory Notices	15	12		39		45	14
" Prosecutions	1						
Complaints of nuisances received	31	89	43	109	41	17	
Improvements carried out	369	225	274	434	312	142	90
<i>Drainage and Sanitary Arrangements.</i>							
Drains cleansed of obstructions	6	15	17	13	17	28	4
Drains provided and improved (re-laid or repaired)	64	14	11	31	10	7	33
Inspection chambers provided	13		8	10	2	2	
Ventilation pipes repaired or provided	8	1	6	2	3		
Closets and urinals reconstructed, repaired, etc.	22	18	12	8	17	15	2
Water closets and urinals provided	2	2	6	1		7	24
New pans and traps to water closets	16	2	14	14	6	3	
Flushing cisterns replaced; supply pipes repaired	17	28	8	16		3	
Pail closets provided					21	2	1

	Hertford (M.B.)	Bishop's Stortford	Hoddesdon	Ware (U.D.)	Ware (R.D.)	Braughing	Hertford (R.D.)
Nuisances abated from offensive cesspools	...	...	...	...	...	...	...
Dustbins provided	9	2	35	131	36	6	7
<i>Dwelling Houses, &c.</i>							
Cleansing and re-decorating	5	4	23	28	12	8	1
Windows provided or improved... ..	33	3	4	34	18	3	1
Walls and ceilings repaired	9	...	44	15	26	4	...
Roofs, gutterings and chimney stacks repaired	11	33	21	25	19	...	5
Dampness remedied (damp-proof courses inserted, &c.)	14	9	16	12	9	3	9
Floors repaired, re-laid or ventilated	18	8	6	15	...	2	...
Cooking ranges and washing coppers repaired or replaced	...	6	7	7	...	11	...
Paving repaired or re-laid	33	4	4	11	...	...	...
Sinks provided or improved	34	3	10	6	12	3	...
Houses provided with separate taps	21	...	2	1	...	...	...
Water-butts provided	...	...	...	...	9	4	...
Wells cleansed and repaired	...	...	...	...	2	1	1
Overcrowding abated	2	4	...	3	2	1	2
Van dwellings removed	...	...	1	0	1	...	...
<i>Keeping of Animals, &c.</i>							
Nuisance from animals, fowls, &c. abated	1	...	2	2	1	2	2
Offensive accumulations removed	8	13	10	4	2	4	5
Miscellaneous	23	...	42	9	12	8	...
Number of houses connected with sewers	43	114	36	45	12	13	17
Number of houses connected with water mains	73	116	36	45	55	13	88

1. INSPECTIONS OF FACTORIES, WORKSHOPS, AND WORKPLACES.

(Factory & Workshop Act, 1901).

	Hertford (M.B.)	Hoddesdon	Bishop's Stortford	Ware (U.D.)	Ware (R.D.)	Braughing	Hertford (R.D.)
<i>Factories</i> (including							
Factory Laundries):							
Number of Inspections		18	12	14	5	4	3
„ Written Notices		3		1			
<i>Workshops</i> (including							
Workshop Laundries):							
Number of Inspections	34	20	17	4	10	52	28
„ Written Notices	3	2	2	2			
<i>Workplaces</i> (other than							
outworkers' premises):							
Number of Inspections		2		5	4	7	2
„ Written Notices							
Total Number of In- spections	34	40	29	23	19	63	33
Total Number of Written Notices	3	5	2	3	0	0	0

2. DEFECTS FOUND IN FACTORIES, WORKSHOPS, AND WORKPLACES.

	Hertford (M.B.)	Hoddesdon	Bishop's Stortford	Ware (U.D.)
<i>Nuisances under the</i>				
<i>Public Health Acts :</i>				
Want of Cleanliness :				
Found	2	5	2	
Remedied	2	5	2	
Want of Ventilation :				
Found	1	1		
Remedied	1	—		
Want of drainage of floors, found and rem- edied 				1
Other nuisances, found and remedied ...	1	1		6
Sanitary accommodation insufficient: Found	1			2
Remedied	—			1
Sanitary accommodation unsuitable or defective:				
Found		1		
Remedied		1		
Sanitary accommodation not separate for sexes :				
Found	1			
Remedied	—			
<i>Offences under the Fac- tory & Workshops Acts :</i>	1			
Referred to H.M. In- spector 	1			
Total of defects : Found	6	8	2	9
Remedied	4	7	2	8
Total of defects referred to H.M. Inspector ...	1			

REGISTERED WORKSHOPS.

			Hertford (M.B.)	Hoddesdon	Bishop's Stortford	Ware (U.D.)	Ware (R.D.)	Braughing	Hertford (R.D.)
Bakehouses	...	...	11	5	10	9	7	10	5
Barbers	...	...		8		3	3		
Batmakers	...	...		2					
Bootmakers	...	...	5	12		4	4	3	
Bottlewashers	...	...	2						
Brickmakers	...	...			1				1
Builders and Carpenters	...	...	10	7	7	6	12	10	4
Cabinet Makers	...	...	3		2	2			
Cracker Makers	...	...			1				
Cycle Repairers	...	...	8	4	3		2	2	
Dress Makers and Milliners	...	...	6	3	2	1	3	2	
Engineers	...	...			3		6	1	
Founders	...	...			1	1		1	
Garages	...	...		5	12		7	3	5
Glass Wool Makers	...	...						1	
Instrument Makers	...	...			1				
Laundries	...	...	1	2	3	1	1	2	1
Maltings	...	...	7		3	20	3		
Millers	...	...			2				
Photographers	...	...			2				
Plumbers	...	...		9			2		
Printers	...	...	2	2			1	1	
Quarries and Stonemasons	...	...	2	4	2			7	
Sadlers and Harness Makers	...	...	2	1		1	1	2	1
Sack and Bag Makers	...	...			1				
Smiths and Wheelwrights	...	...	4	3	2	4	6	13	12
Suit Cleaners	...	...	1		2				
Tailors	...	...	3	3	5	5	1	2	1
Watchmakers	...	...		2	2	3	1	1	
Miscellaneous	...	...	5	3		5	8	1	

HOUSING.

1. *Inspection of Dwelling-houses during the year :—*

(1) (a) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts)	181	138	156	147	265	540	197
(b) Number of inspections made for the purpose	193	138	156	147	326	733	260
(2) (a) Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925	120		20	58		414	161
(b) Number of inspections made for the purpose	132		20	58		471	161
(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	4	2	9	34	25	30	12
(4) Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation	57	26	21	24	123	33	13

2. *Remedy of Defects during the year without service of formal notices :—*

Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers

29	26	12	132	89	33	12
----	----	----	-----	----	----	----

3. *Action under Statutory Powers during the year :—*

(a)—Proceedings under sections 17, 18 and 23 of the Housing Act, 1930:

- (1) Number of dwelling-houses in respect of which notices were served requiring repairs 4
- (2) Number of dwelling-houses which were rendered fit after service of formal notices :—

- (a) By owners 4
- (b) By local authority in default of owners 4

(b)—Proceedings under Public Health Acts:

- (1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied 11
- (2) Number of dwelling-houses in which defects were remedied after service of formal notices :—

- (a) By owners 11
- (b) By local authority in default of owners 6

(c)—Proceedings under sections 19 and 21 of the Housing Act, 1930:

- (1) Number of dwelling-houses in respect of which Demolition Orders were made 3
- (2) Number of dwelling-houses demolished in pursuance of Demolition Orders 15

(d)—Proceedings under section 20 of the Housing Act, 1930:

- (1) Number of separate tenements or underground rooms in respect of which Closing Orders were made 5
- (2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit. 17

Herford (M.B.)
Bishop's
Stortford
Hoddes-
don
Ware (U.D.)
Ware (R.D.)
Brough-
ing
Herford (R.D.)

23 24 2 31 10 4
7 24 12 14 4 4
33 157 9 9 11
2 157 11 6 11
3 5 4 3
17 5 15

Number of Houses built during 1935.

		Hertford (M.B.)	Huddesdon	Bishop's Stortford	Ware (U.D.)	Ware (R.D.)	Braughing	Hertford (R.D.)
Without State assistance—								
By the Local Authority	...	...	...	...	...	...	4	...
By other bodies or persons	...	...	...	...	...	...	50	25
With State assistance—								
By the Local Authority	...	...	...	...	...	...	46	10
By other bodies or persons	...	...	...	...	...	...	...	...
TOTAL	...	...	...	...	...	...	100	35
Number of Council houses contemplated or in course of erection ...		60	78	56	200	44	58	36
Number of houses dealt with under the Housing (Rural Workers') Acts, 1926 ...		...	...	...	...	...	...	2
Number of Council houses ...		576	254	198	312	258	250	174

VI. FOOD.

A. Milk Supply.

	Hertford (M.B.)	Hoddesdon.	Bishop's Stortford.	Ware (U.D.)	Ware (R.D.)	Braughing.	Hertford (R.D.)
Number of Cowkeepers on register ...	9	12	10	7	94	109	78
„ Dairyman „	15	20	4	13			
Purveyors of Grade "A" Milk ...	2	1	1	1	3		
„ Grade "A" (Tuberculin Tested Milk ...	1	3	1	2	2	5	
„ Certified Milk ...	1						
„ Pasteurised Milk ...	1						
Milk Pasteurising Premises ...				1			
Dairy Cow Population ...	154	205	95	135	1328	1060	1336
Number of inspections ...	29	96	63		131	108	

B. Slaughter-houses and Meat Inspections.

	Hertford (M.B.)	Hoddesdon.	Bishop's Stortford.	Ware (U.D.)	Ware (R.D.)	Braughing.	Hertford (R.D.)
<i>No. of Slaughter-houses—</i>							
Registered ...	2	3	2	2	11	14	5
Licensed ...	5	1	3	1	5	5	4
Knacker's Yard ...					1		
No. of visits to Slaughter-houses ...	128	181	216		296	84	
„ „ other premises ...	44	40	38		12		
Casualty Slaughter ...					2	1	

Local Government Act, 1929, Section 46

(County of Hertford Review Order, 1935).

<i>Areas transferred to —</i>	<i>From—</i>
Borough of Hertford—Parts of Parishes of	
Bayford	
Bengeo Rural	
Bramfield	
Brickendon Liberty	
Hertingfordbury	
Little Amwell	Hertford Rural District
Bishop's Stortford—	Part of Parish of
Thorley	Hadham Rural District
Hoddesdon—	Parts of Parishes of
Broxbourne	
Great Amwell	
Hoddesdon Rural	
Stanstead Abbots	
Wormley	Ware Rural District
Ware Urban District—Parts of Parishes of	
Great Amwell	
Ware Rural	Ware Rural District
Hertford Rural District—	
Parish of	
Brickendon Liberty—Parts of Parishes of	
Broxbourne	
Hoddesdon Rural	
Wormley	Ware Rural District
Parish of Sacombe—Part of Parish of	
Standon	„ „ „
Ware Rural District—	
Parish of Eastwick—Part of Parish of	
High Wych	Hadham Rural District
„ Standon—	Part of Parish of
Braughing	„ „ „

BOROUGH OF HERTFORD.

Water.

The Town of Hertford is at present supplied from four independent sources, viz., Molewood, Hartham, Waterford and Port Hill Pumping Stations. The water is delivered from these four pumping Stations into the covered Reservoir at Port Hill, which supplies the lower portions of the Town, and into the Bengoe Water Tower from which the high level area is supplied.

The village of Hertingfordbury is supplied by private wells. An estate at Great Molewood consisting of 21 Houses has a piped supply from a privately owned tube well. Samples of the water from this well have been submitted for analysis and found to be unsatisfactory. These houses are to be connected to the town mains.

A scheme for the improvement of the Water Supply undertaking of the Corporation is in progress and two boreholes are being sunk on a site north of the town on the Wadesmill Road. When the new Pumping Station is in operation the existing pumping stations at Waterford, Port Hill and Hartham will be abandoned.

Drainage and Sewerage.

The method of disposal of the sewage of the town is by the presedimented activated sludge process and the resulting effluent is ultimately discharged into the River Lee.

Rural conditions prevail at Hertingfordbury with cesspools and pail closets.

The Great Molewood estate has a water carriage system with drainage to cesspools.

Alterations and additions at the Sewage Works were found to be necessary as for some time past difficulty had been experienced in maintaining a satisfactory effluent.

Scavenging.

This is undertaken by the Corporation, and all refuse is disposed of by controlled tipping in a disused gravel pit adjoining Kingsmead School, Stanstead Road.

House refuse is collected weekly in a covered conveyance.

Movable ashbins are now in general use, and only 13 covered ashbins now remain in the Borough.

PREMISES CONTROLLED BY BYELAWS OR REGULATIONS.

Common Lodging Houses.

The White House (55 Railway St.), which is the only registered Common Lodging House in the Borough, affords nightly accommodation for 39 males. The number of men accommodated during the year was 8091; nightly average, 22 men. No case of infectious disease was notified from the house.

Meat and Food Inspection.

The number of carcasses examined was Bovines, 88. Sheep and Lambs, 251. Calves, 26. Pigs, 192.

Slaughterhouses.

Complaints were received in regard to two licensed slaughterhouses. Improvements were effected in respect of the premises.

Unsound Food.

The amount of food found to be unfit and destroyed was :—

Bullocks liver (abscesses), 1. Ham (cooked), 35 lbs. Fish (1 box herrings), 3 stone. Potatoes, $3\frac{1}{2}$ sacks.

Bacteriological Examination of Milk.

The following samples of milk retailed in the Borough were examined :—

Designation.		Bacterial Count per c.c.	Bacillus Coli.	Presence or absence of Tubercle Bacillus.	Report.
Certified ...	1.	1,200	Absent in 1/10 c.c.	—	Satisfactory
	2.	11,000	„	—	„
Grade 'A' (T.T.)	1.	1,500	Absent in 1/10 c.c.	—	Satisfactory
	2.	3,500	„	—	„
Ordinary ...	1.	52,000	Absent in 1/10 c.c.	Absent	Clean
	2.	14,000	„ „ 1/100 c.c.	„	„

Canal Boats.

The riverside and wharves have frequently been visited for the purpose of inspecting any Registered Canal Boats using the canal within the Borough boundary.

No registered canal boat was found using the canal.

Housing.

Nos. 3, 5 and 7, Maidenhead Yard.

The Corporation have accepted a scheme of improvements which includes the conversion of Nos. 5 and 7 into one dwelling house (back to back houses) and the demolition of No. 3.

No. 1, Pegs Lane.

The closing order in respect of these premises was determined as the work of re-conditioning them as part of the adjoining licensed premises known as the "Gladstone Arms" had been completed satisfactorily.

Nos. 1 and 3, Water Lane.

These two houses were represented as unfit for habitation in 1934. The Corporation considered the representations and accepted an undertaking by the owner that the houses be closed and not re-let for habitation. The houses have been vacated.

During the year 29 houses, found not to be in all respects reasonably fit for human habitation, have been improved. The defects dealt with have been dampness, provision of separate water supply, tap and sink in the houses, necessary drainage, paving of yards, and general dilapidations.

In regard to 22 of the houses, the improvements were carried out informally after the owners had received a schedule of requirements.

Individual Houses.

During the year 3 houses have been represented as unfit for habitation. The Corporation have agreed that 2 back to back houses be converted into one dwelling house, and the demolition of one house. In regard to 7 houses to which schemes of alteration and extensive improvements had been accepted and approved by the Corporation, the requirements have been carried out.

Magisterial Proceedings.

PREMISES SITUATE IN BREWHOUSE LANE.

Action was taken under the Public Health Act, 1875, with regard to animals kept so as to be a nuisance, and also under Section 43 of the Public Health Act, 1925, in respect of the illegal occupation of a shed as a dwelling house. The Court made an Order for the abatement of the nuisance and that the use of the premises as a dwelling be discontinued. The Order was duly carried out.

Shops Act, 1934.

A multiple shop has had an additional sanitary convenience provided to give separate sanitary accommodation for the sexes.

INFECTIOUS DISEASES.

	At all ages	Under 1 year	1-2 years	2-3 years	3-4 years	4-5 years	5-10 years	10-15 years	15-20 years	20-35 years	35-45 years	45-65 years	65 years & over	Removed to Hospital	Treated in Sanatorium	Nursed at Home	Died
Small-pox ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria ...	18	...	...	...	...	2	1	11	3	1	...	...	...	11	7	...	1
Scarlet Fever	37	...	...	...	2	2	19	11	2	...	...	...	...	36	...	1	1
Enteric Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever	2	...	...	...	...	...	...	...	2	...	...	...	...	2	...	...	2
" Pyrexia...	7	...	...	...	...	...	...	...	7	...	...	...	...	7	...	...	...
Pneumonia	5	1	...	...	...	...	...	...	...	1	...	1	2	3	...	2	5
Ophthalmia Neonatorum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas ...	1	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...
Malaria ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dysentery ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Trench Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebro-spinal Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Polio-myelitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Encephalitis Lethargica	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pulmonary Tuberculosis	8	...	...	...	...	1	...	1	...	3	2	1	...	6	...	...	...
Other Tuberculosis	4	...	2	1	...	...	...	1	...	...	...	...	...	2	...	...	1

Infectious Diseases.

Cases of Scarles Fever were notified during every month with the exception of October. Cases occurred among children attending most of the Schools in the Town, and it was necessary to close Abel Smith (J.M.) School for one week.

Seven cases of Diphtheria occurred at residential schools. The other cases were apparently unconnected.

Bishop's Stortford Urban District.

Water.

Nearly all of the houses obtain their supply from the Town service. The pumping station is situated on high ground outside the town, near the western boundary of the district; the well is 164 feet deep and goes 40 feet into the chalk. In the added area private wells are the source of supply.

Drainage and Sewerage.

There is a public sewerage system for the town.

The sewage farm is on the Hallingbury Road in the Dunmow Rural District (Essex). The sewage is carried $1\frac{1}{2}$ miles by gravitation to tanks where it is screened, then pumped up on to the high level. Here it is treated by broad irrigation through trenches, with final treatment through longitudinal gravel filters before the effluent passes into the river Stort.

The number of pail closets and privies in the district has been increased by the extension of the boundaries.

Scavenging.

Household and trade refuse is collected by motor lorry and in horse drawn covered dust carts, and tipped on land adjoining the Castle Grounds.

Meat and Food Inspection.

Total carcasses inspected—	Bovine	...	...	215
„	„	„	Sheep and Lambs	790
„	„	„	Pigs	...
				455
				1,460

The following were found to be unfit for food, and destroyed :—

- 10 bullocks' livers.
- 74 lbs. of beef.
- 2 sheeps' plucks.
- 1 carcase of pork and organs.
- 8 pigs' plucks.
- 6 stone of fish.
- 1 barrel of apples.
- 52 tins of cherries.

Smoke Abatement.

Two cases of nuisance arising from the emission of black smoke were abated as a result of informal action.

Swimming Bath.

The water is now filtered and chlorinated, the Council having installed a purification plant.

*Housing Act, 1930.**Housing.*

The following Clearance Orders were made by the Council :—

South Street (Mount Pleasant) No. 1.	New Path.
South Street (Perry's Yard) No. 2.	Basbow Lane (Bull Yard).
London Road.	Rye Street.

They were confirmed by the Ministry of Health after a Public Inquiry had been held in the town. In the cases of Perry's Yard (Nos. 48—62, South Street) and Basbow Lane (Nos. 9, 11, 21—29) the Orders were confirmed with slight modifications.

With regard to 118, South Street and 117, London Road, payment under the provisions of Section 64 of the Housing Act, 1935, was made to the persons responsible for their maintenance—£7 10s. 0d. and £10 10s. 0d. respectively.

The displaced tenants have been re-housed on the Millers Estate, London Road.

Unfit Dwellings.

Individual houses in the following areas have been scheduled as such :—

Castle Street	...	10	houses	accommodating	37	persons.
Tuckers Row	...	4	"	"	19	"
New Path	...	7	"	"	23	"
Dane Street	...	1	"	"	2	"
King Street	...	2	"	"	9	"
Hockerill Street	...	5	"	"	9	"
Basbow Lane	...	4	"	"	15	"
Windhill Lane	...	5	"	"	7	"
Rye Street	...	6	"	"	18	"
Chapel Row	...	2	"	"	8	"
London Road	...	1	"	"	3	"

Little progress has been made in dealing with these cottages yet owing to the difficulty in acquiring suitable sites for re-housing. The Council have had under consideration the erection of 12 houses on the Urban Road site, 18 houses on the London Road Site, 3 houses on the Southmill Site and 2 houses on the Scott Road Site.

Housing Act, 1935.

After consideration of Circular 1507 it was resolved that for the purpose of defining the dwellings to be inspected, all houses with a rateable value of £20 or less be considered working-class dwellings, and that in order to carry out the enumeration 3 men be engaged temporarily.

Notifiable Diseases.

Six cases of diphtheria were notified (all females), of whom two were adults. The children affected attended St. Michael's (Girls), 2, St. Michael's (Infants), 1 and Girls Practising, 1.

Hoddesdon Urban District.

Water.

The Northern part of the District (formerly in the Parish of Great Amwell) is supplied by the Metropolitan Water Board. Houses in the rural parts of the District depend on wells and springs.

Most of the Urban District is served by the Council's water undertaking from two deep wells in the chalk, one at Hoddesdon and the other at Broxbourne (which is chlorinated).

A scheme for supplying the District entirely from the Middlefield Road Pumping Station has been adopted, and pumping tests of the yield from the trial borehole were completed at the end of the year.

Drainage and Sewerage.

The Northern part of the District (formerly in the Parish of Great Amwell) is unsewered: all cesspools are emptied on request by the Council. The remainder of the District (except for houses in undeveloped and low lying parts) has main drainage. It is estimated that 120 houses are drained into cesspools and that there are 23 houses with pail closets.

The sewage disposal works for Hoddesdon and Rye Park consist of detritus and settling tanks, contact beds and rotary percolating filters—the pumping machinery being electrically driven.

Sewage from Broxbourne and Wormley is disposed of by broad irrigation at the Sewage Farms.

Scavenging.

There is a weekly collection of house refuse from practically the whole of the District by low-loading (dustless type) S. & D. freighter. The bulk of it is disposed of in the refuse destructor.

Shops Act, 1934, Section 10.

Fifteen premises were inspected during the year and the following improvements were secured by informal action :—

Ventilation improved	...	...	...	...	2
Additional means of heating provided to secure reasonable temperature	..	...	...	...	3

One certificate of exemption in respect of sanitary conveniences was granted by the Council.

*Inspection and Supervision of Food.**(a) MILK SUPPLY.*

Bacteriological Examination of Milk. Nine samples of Grade A Tuberculin-Tested Milk were taken at the request of The Ministry of Health. The samples were submitted for B. Coli and bacterial count.

Eight of the samples conformed to the prescribed standard.

One sample of ordinary milk was also submitted for B. Coli and bacterial count. Bacteriologist's report of same is as follows :—

Number of Bacteria per 1 c.c. ... 256,000

Coliform Bacillus absent in 1/10th c.c.

(b) MEAT AND OTHER FOODS.

Slaughterhouses. Improvements to structures have been carried out during the year ; the walls have been rendered impervious, floors repaired and relaid, and in one case a supply of water from the Council's mains provided in the slaughterhouse. The drainage arrangements in one case were also improved.

During the year 205 visits were made, and the following carcasses were examined :—

Beasts	...	35	Calves	...	9
Sheep	...	54	Pigs	...	312

Unsound Food.

The following unsound food was surrendered :—

<i>Animal.</i>	<i>Details.</i>	<i>No.</i>	<i>Approx. Weight.</i>	<i>Disease.</i>
Beast.	Head and tongue	4	80 lbs.	Localised Tuberculosis
	Lungs	1	7 „	Localised Tuberculosis
	Liver	1	10 „	Localised Tuberculosis
	Liver	2	21 „	Cirrrosis
	Mesentery	1	5 „	Localised Tuberculosis
Pig.	Head	19	95 „	Localised Tuberculosis
	Lungs	6	12 „	Localised Tuberculosis
	Livers	5	23 „	Localised Tuberculosis
	Livers	5	24 „	Cirrrosis
	Mesenteries	16	20 „	Localised Tuberculosis
	Joint of pork, shoulder	1	7 „	Localised Tuberculosis
Fish.	Various		448 „	Unsound
Total weight of unsound food destroyed, 752 lbs.				

Housing.

The following houses were demolished during the year as the result of action taken under the Housing Act, 1930 (Section 19):—

Nos. 7 and 9, Stanstead Road.

Nos. 49 and 51, Burford Street.

Nos. 1 and 3, Duke Street.

Seven cottages at Woollens Brook.

Four cottages in the High Road, Wormley.

Rainfall.

The total rainfall registered in Hoddesdon during 1935 amounted to 26.62 inches, about three inches above the average yearly rainfall. Nearly half of this fell during the last four months of the year. Rain fell on 152 days, the wettest month was June, with a total of 3.69 inches, and the driest March, with an average of only 0.50 inches. In December there was rain on sixteen days, and the total amounted to 2.65 inches, which is considerably less than during the same month of the previous year, when rain on 25 days produced 4.74 inches.

Infectious Diseases.

Cases of scarlet fever were notified during every month (except March and October) and were distributed as follows:—

Rye Park, 14.	Broxbourne, 3.
Hoddesdon, 7.	Wormley, 5.

Cases of diphtheria were notified during every month (except February and September):—

Rye Park, 9.	Hoddesdon, 3.	Broxbourne, 1.
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INFECTIOUS DISEASES.

	At all ages	Under 1 year	1-2 years	2-3 years	3-4 years	4-5 years	5-10 years	10-15 years	15-20 years	20-35 years	35-45 years	45-65 years	65 years & over	Removed to Hospital	Treated in School Sanatorium	Nursed at Home	Died
Small-pox ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria ...	13	...	...	1	1	5	...	...	3	1	2	...	...	12	...	1	1
Scarlet Fever ...	27	...	2	...	3	12	...	...	2	2	1	...	...	27	...	...	...
Enteric Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" Pyrexia ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pneumonia ...	17	3	...	1	1	2	...	...	...	...	...	...	...	...	...	...	4
Ophthalmia Neonatorum ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas ...	2	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...
Malaria ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dysentery ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Trench Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebro-spinal Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Polio-myelitis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Encephalitis Lethargica ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pulmonary Tuberculosis ...	5	...	...	...	...	...	1	...	2	1	...	...	...	2	...	...	...
Other Tuberculosis ...	5	...	...	...	...	2	1	...	2	2	...	...	...	2	...	...	...

WARE URBAN DISTRICT.

Water.

The whole town is adequately supplied from the Council's two deep wells.

Drainage and Sewerage.

The sewage is pumped through a 9 inch rising main from a pumping station at Stanstead Abbots to Rye Farm, near Hoddesdon, and distributed by troughing.

Owing to the extension of the boundaries of the district in April last, it is now estimated that twenty-five dwelling houses are provided with pail closets, and that thirty dwelling houses are drained to cess-pools. One house is provided with a chemical closet.

Public Health (Smoke Abatement) Act, 1925.

Two smoke observations were taken during the year. In one an emission of black smoke for two and a half minutes was found to be due to the use of unsatisfactory fuel.

Swimming Baths and Pools.

There is only one privately owned swimming pool in the urban district, and is situated at Chadwell. A sample submitted for chemical and bacteriological examination in July was reported as being of a fair degree of organic quality; bacteriologically of a high degree of purity, and suitable and safe for swimming bath purposes.

Canal Boats.

1.	Total number of canal boats inspected	...	...	...	24
2.	Defects dealt with during the year	...	...	...	Nil
3.	Proceedings during the year :—				
	(a) New boats registered	...	...	...	Nil
	(b) Legal proceedings	...	...	...	Nil
	(c) Infectious disease	...	...	...	Nil
	(d) Boats detained for cleansing and disinfection	...	...	...	Nil

4. Statistics from Register of Canal Boats :—

(a) Number of boats registered since 1888	...	...	75
(b) Number of boats on register (December 31st, 1935)			57
(c) Estimated number of registered boats now in use	...		9

In addition to the registered boats, there is a fairly large number of boats in use which are not used for sleeping purposes, and as a result are not registered.

Housing.

Unhealthy Areas—Housing Act, 1930, Part I.

Clearance Area No. 10 (High Street).

The resolution declaring this area to be a Clearance Area was rescinded by the Council. It was later decided that the area should be dealt with as a street widening scheme.

Clearance Areas Nos. 11 and 12.

Considerable progress in dealing with these areas has been made during the past year. Many of the properties were purchased by agreement, and the remainder were made the subject of Compulsory Purchase Orders, which were submitted to the Minister of Health on January 16th, 1935. A Public Inquiry was held on March 14th, and the Orders were confirmed with slight modifications on June 29th, 1935. Most of the occupiers have now been re-housed in new dwellings and in all cases the furniture has been treated with Hydrogen Cyanide and the bedding by steam disinfection, in order to prevent the transmission of vermin to the new houses.

A Differential Renting Scheme has again been operated, based on the family incomes, in order to provide re-housing within the means of the displaced persons.

Clearance Areas Nos. 13 to 17.

A further group of five Clearance Areas (Chapel Yard, Sams Yard, etc., and Church Street), were represented by the Medical Officer of Health and declared by the Council on October 16th.

In addition it was decided to deal with certain properties by accepting undertakings from the owners not to re-let for human habitation. This group of areas will complete the Council's five-year programme of slum clearance.

During the year the Council considered making Demolition Orders under Section 19 in respect of fifteen dwelling houses with the following results:—

(1) Demolition Orders made	...	...	...	...	4
(2) Undertakings not to re-let accepted by Council	...	...	...	...	7
(3) Undertakings to make fit accepted by Council	...	...	...	...	4

Four dwelling-houses included in last year's report in respect of which the owners had offered undertakings to make fit, are now being purchased under a street widening scheme.

The following is a summary of housing work carried out since Mr. Barker's appointment in April, 1931:—

1. Number of houses scheduled as unfit	...	...	...	...	182
(a) Clearance Areas Nos. 1 to 9—demolished	...	...	...	...	68
(b) Clearance Areas 11 and 12 (orders confirmed, re-housing proceeding)	...	...	...	...	58
(c) Clearance Areas Nos. 13 to 17—Areas declared	...	...	...	...	26
(d) Demolition Orders	...	...	...	...	10
(e) Undertakings not to re-let	...	...	...	...	20
				Total	182
2. Number of dwelling-houses altered and improved	...	...	...	...	639
(a) 1931	...	...	...	...	67
(b) 1932	...	...	...	...	133
(c) 1933	...	...	...	...	120
(d) 1934	...	...	...	...	164
(e) 1935	...	...	...	...	155
				Total	639

Inspection and Supervision of Food.

(a) Milk Supply.

Milk and Dairies Order, 1926, etc.

The regular limewashing of cowsheds has been promptly carried out during the year, and two notices have been served for this purpose.

Further progress has been made in the modernisation of several of the cowsheds in the district. One new cowshed has been built, considerable alterations including new flooring, tubular divisions and hopper windows have been provided at a second shed, and sterilising facilities, together with a general improvement of the approaches, are now being effected at a third cowshed.

Bacteriological Examination of Milk.

The bacteriological examination of both graded and ordinary milks by the Counties Public Health Laboratories has been continued during the year.

Six samples of graded and five samples of ordinary milk were submitted for B. Coli and bacterial count. The results of the five samples of ordinary milk are as follows :—

No. of sample	Bacteria per 1 c.c.	Coli absent in c.c.	Report.	Comparison with Grade "A" standard	Remarks.
41	32,000	0.001 c.c.	Clean	Below	Milk taken on production at cowshed
45	28,000	0.001 c.c.	Clean	Below	Do.
46	7,100	1 c.c.	Very clean	Complies	Do.
49	11,000	1 c.c.	Very clean	Complies	Do.
51	18,000	0.01 c.c.	Clean	Complies	Do.

Six samples of graded milk complied with the prescribed standards.

One sample of graded milk and five samples of ordinary milk were submitted for the animal inoculation test for tuberculosis. In each case the sample was returned as being free from tubercular infection.

(b) Meat and other Foods.

At each of the two slaughterhouses, limewashing was carried out each quarter as required by the Byelaws. A licensed Slaughterhouse was included in the district at the extension of the boundaries in April. No slaughtering or limewashing was carried out until December.

Unsound Food.

The following unsound food, upon inspection to be unfit, was surrendered and destroyed:--

<i>Meat</i> :	1 pig's head (Tuberculosis)	...	...	...	6 lbs.
	1 sheep's carcase (Septicaemia)	...	...	...	40 lbs.
<i>Fish</i> :	Cod fish fillets (Decomposition)	...	...	...	7 stone.
	Coal fish fillets (Decomposition)	...	...	...	22 stone.
	Prawns (Decomposition)	...	...	...	18 lbs.

Total weight of unsound food destroyed : 33 stone 8 lbs.

Notifiable Diseases.

Scarlet Fever was prevalent during the first six months of the year: 7 cases were notified in June. The school most affected was St. Mary's:—Infants (7), Girls (3), Boys (1). Musley (I) had 3 and Christ Church (S. & C.) 2 cases.

INFECTIOUS DISEASES.

	At all ages	Under 1 year	1-2 years	2-3 years	3-4 years	4-5 years	5-10 years	10-15 years	15-20 years	20-35 years	35-45 years	45-65 years	65 years & over	Removed to Hospital	Treated in School Sanatorium	Nursed at Home	Died
Small-pox ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria ...	4	...	...	...	1	...	2	...	1	...	...	...	...	4	...	...	1
Scarlet Fever ...	23	...	...	1	...	1	12	3	2	3	1	...	...	...	...	...	...
Enteric Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" Pyrexia ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pneumonia ...	6	...	2	...	...	...	...	...	...	...	1	...	...	6	...	...	6
Ophthalmia Neonatorum ...	1	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
Erysipelas ...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Malaria ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dysentery ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Trench Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebro-spinal Fever ...	1	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	1
Polio-myelitis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Encephalitis Lethargica ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pulmonary Tuberculosis ...	11	...	...	...	...	...	1	1	3	3	...	...	...	9	...	...	3
Other Tuberculosis ...	2	...	...	...	...	...	...	...	1	1	...	...	...	1	...	...	...

Ware Rural District.

Water.

The scheme for a public supply for the parishes of Stanstead Abbots, Hunsdon, Widford, the Mundens, Ware Rural, Standon and Thundridge to be piped from a pumping station at Standon is being proceeded with. In spite of heavy rain in December, it was still necessary to cart 3,000 gallons of water a week (purchased from Ware U.D.C.) to afford a supply for places where the wells were dried up.

Drainage and Sewerage.

Stanstead Abbots is sewered. The sewage is collected in tanks from which it is pumped up on to the outfall works and finally disposed of by broad irrigation.

Hunsdon village has a drain for slop water which was put in when all the houses were part of an estate years ago. This leads to a small tank and is then hand pumped to an adjoining disused gravel pit. The drain is open jointed in many places.

Part of *Thundridge* village has slop water drains which discharges into a meadow to the west of the main road. There is no proper disposal area and the drains are not in good order.

High Cross is a small village in the Parish of Standon and this also possesses a slop water drain which was installed years ago when the village was part of an estate. The effluent discharges into a ditch but soaks away before reaching the river at Wadesmill.

The village of *Hertford Heath* in Great Amwell Parish is drained in conjunction with a part of Little Amwell which is in Hertford Rural District and the disposal area is in that District. This small drainage scheme is controlled by the Great and Little Amwell Sewage Farm Committee. Gilston and Eastwick have private sewers.

Elsewhere there is no main drainage and the sewage has been disposed of, in some cases to cesspools and in many other cases where there are no drains at all, by spreading it over the gardens.

Cesspools are emptied free—a 700 gallon Scammell vehicle being used.

A scheme for sewerage and sewage disposal for the following parishes is being considered :—Great Amwell, St. Margarets, Hunsdon, Widford, Ware Rural, Standon and Thundridge.

Where a sewerage scheme is available water closets are provided, elsewhere pail closets are in use. Pails are emptied twice weekly from Hunsdon, Widford, Wareside, Thundridge, Standon, Great Munden, Little Munden, Eastwick, and Gilston.

Scavenging.

The Council have taken over the service of refuse collection and all parishes are served. A collection of bins is made weekly. The refuse is disposed of at Standon and at St. Margarets by tipping.

Meat Inspection.

348 bullocks, 506 sheep and 473 pigs were slaughtered. Of these, 204 bullocks, 330 sheep and 326 pigs were inspected, and the following were condemned and destroyed :—Pigs : 2 heads (tuberculosis).

Swimming Baths and Pools.

The only Swimming Pool open to the public is privately owned. It is essentially a gravel excavation and fills naturally. The water is circulated by an electric pump, passing over a small waterfall, and is roughly filtered before entering the Pool again. A sample of the water submitted to analysis in July was reported on as not being of the standard of bacterial purity necessary for Public Swimming Bath purposes. An undertaking was given to improve the filtration and to replenish the water daily. A rough method of chlorination was also carried out, but the porous nature of the sides of the pool make it difficult to control.

Parishes				Acreage.	Population.
Eastwick	...	...	...	1,120	220
Gilston	...	...	...	985	260
Great Amwell	...	...	...	1,450	2,252
Great Munden	...	...	...	3,758	340
Hunsdon	...	...	...	1,971	500
Little Munden	...	...	...	1,774	430
Standon	...	...	...	7,793	2,800
Stanstead Abbotts	...	...	...	2,609	1,380
Stanstead, St. Margarets	...	...	...	408	170
Thundridge	...	...	...	2,206	640
Ware Rural	...	...	...	3,860	1,050
Widford	...	...	...	1,168	370

Council Houses.

Eastwick	...	...	—		Wadesmill	...	12
Gilston	...	...	—		High Cross	...	10
Great Amwell	...	...	12	Standon	Colliers End	...	14
Great Munden	...	...	22		Broken Green	...	8
Hunsdon	...	...	18		Standon	...	52
Little Munden	...	...	16	Stanstead Abbots	...	...	54
St. Margarets	...	...	8	Thundridge	...	...	8
				Ware Rural (Wareside)	...	...	24
				Widford	...	...	—
							258

Notifiable Diseases.

Scarlet fever was very prevalent during November and December when half of the cases were notified.

The cases were distributed as follows (excluding the cases at Haileybury before Easter):—

Great Amwell	...	5	Standon	...	5	Hunsdon	...	5
Thundridge	...	5	Little Munden	...	3	Widford	...	2
Stanstead Abbots	...	1	St. Margarets	...	1	Ware Rural	...	1

Enteric Fever. Two isolated cases occurred: one in April near Wareside, other in October at Stanstead Abbots.

Whooping Cough. An outbreak at Hunsdon was responsible for the closure of the school for 2 weeks in June. A number of cases were also reported from High Cross.

Diphtheria. Cases were notified as follows:—January, 3; February, 5; May, 5; July and September, 0; other months, 1.

Cases occurred in the different parishes as follows:—

Standon	...	...	7	Stanstead Abbots	...	5
Ware Rural	...	...	3	Great Amwell	...	2

Diphtheria Immunisation. Owing to the continued prevalence of diphtheria during the winter especially in the parish of Standon the Council decided to offer immunisation against it free in the case of all children (aged 5-13 inclusive) whose parents were prepared to give

their consent. It was decided to carry out the work at the schools (permission to do so being obtained from the County Council) and to appoint the School Medical Inspectors for this purpose. The prophylactic used is toxoid-antitoxin (Parke, Davis & Co.). Children attending the Infant Departments receive 3 doses of prophylactic without preliminary schicking; the older children undergo the Schick test and only those who react receive the 3 subcutaneous injections. Three months after the completion of the course a final Schick test is performed on all the children.

The scheme was advertised in the *Hertfordshire Mercury*, explanatory slips were included with the rate demand notices and all head teachers and district nurses in the District were circularised.

		Average no. on books.	Consent given.	Percentage
Gilston	...	16	16	100
Great Amwell...	...	81	31	38'3
Great Munden	...	40	12	30
Eastwick	...	40	25	62'5
Hunsdon	...	54	12	22'2
Little Munden	...	71	42	59'2
Standon	...	115	68	59'1
High Cross	...	42	19	45'2
Puckeridge (C.E.)	...	41	29	70'7
„ (R.C.)	...	65	46	70'8
Stanstead Abbots	...	172	34	19'8
Thundridge	...	131	32	24'4
Wareside	...	80	20	25
Widford	...	58	28	48'3

The following is Dr. Alan Wigfield's summary of the children he treated:—

	Schick. Negative.	Treated.	Final Schick. Positive.	Schick. Negative.	Not Examined. Left.	Examined. Absent.
Great Munden ...	0	12	0	10	1	1
Little Munden ...	4	38	0	31	5	2
Private Schools...	0	12	1	4	0	7
Standon ...	4	64	0	64	—	—
Puckeridge (R.C.)	14	32	2*	17	3	10
„ (C.E.)	1	28	0	25	3	—
Total ...	23	186	3	151	12	20
	209		154		32	

*In only one case was the Final Schick reaction strongly positive, indicating that the child in spite of treatment still ran a definite risk of contracting Diphtheria if exposed to infection.

My summary is as follows :—

	Schick Negative.	Treated.	Final Positive.	Schick. Negative.	Not Left.	Examined. Absent.
Widford ...	5	23	0	21	1	1
Stanstead Abbots	6	28	1	25	0	2
Hunsdon ...	3	9	0	9	—	—
Wareside ...	1	19	0	16	0	3
Great Amwell ...	4	27	0	20	3	4
High Cross ...	4	15	0	13	0	2
Eastwick ...	3	22	0	18	4	0
Gilston ...	3	13	1	10	2	0
Thundridge ...	6	26	0	23	2	1
Hertford Heath	3	3	0	3	—	—
Private ...	—	1	—	1	—	—
Total ...	38	186	2	159	12	13
	224		161		25	

INFECTIOUS DISEASES.

	At all ages	Under 1 year	1-2 years	2-3 years	3-4 years	4-5 years	5-10 years	10-15 years	15-20 years	20-35 years	35-45 years	45-65 years	65 years & over	Removed to Hospital	Treated in School Sanatorium	Nursed at Home	Died
Small-pox ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria ...	19	...	...	...	1	1	7	2	2	4	...	1	...	17	1	1	1
Scarlet Fever ...	46	...	1	3	2	4	11	13	8	2	1	...	...	31	15	...	...
Enteric Fever ...	2	...	...	...	...	...	...	...	...	1	1	...	...	1	...	1	2
Puerperal Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" Pyrexia ...	3	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...
Pneumonia ...	9	...	...	...	...	...	2	...	...	2	...	...	4	...	...	...	5
Ophthalmia Neonatorum ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas ...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Malaria ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dysentery ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Trench Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebro-spinal Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Polio-myelitis ...	2	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...
Encephalitis Lethargica ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pulmonary Tuberculosis ...	8	...	...	...	...	...	1	...	...	1	2	4	...	5	...	...	4
Other Tuberculosis ...	4	...	...	...	...	1	...	1	...	...	...	1	1	2	...	...	...

Hertford Rural District.

Water.

The scheme to supply the parishes of *Aston, Benington, Walkern, Watton, Stapleford, Sacombe and part of Bengoe Rural* was completed during the year. The pumping station is situated at Stonyford about half-a-mile north of Holbrook Farm. The water is raised from two boreholes each sunk into the chalk to a total depth of 312 feet, through 6" cast iron mains laid, eastward to a water tower at Benington (100,000 gallons capacity), and westward to a water tower at Aston (30,000 gallons capacity).

The parishes of *Little Berkhamstead, Bayford and Brickendon Liberty* are supplied from the pumping station at Bayford (28 feet borehole). It is proposed to augment this supply by sinking fresh deep boreholes and carry the mains to Epping Green and the parish of *Hertingfordbury* (where the existing water works at Letty Green are privately owned). The water main has been extended from the old reservoir at Bayford to Blackfan (420 yards).

The parishes of *Tewin, Datchworth and Bramfield* have a piped supply obtained in bulk from Welwyn R.D.C.

The main has been extended from Bulls Green to Shankeys Wood (500 yards).

The Metropolitan Water Board serves Hertford Heath (*Little Amwell*) ; and the well at Goldings, Waterford village (*Bengoe Rural*).

Drainage and Sewerage.

Work was commenced during the year on the new Sewerage and Sewage Disposal scheme at Little Berkhamstead. The Council now undertake to empty cesspools twice a year under Section 42 of the Public Health Act, 1875.

Schools.

A supply of water has been laid on to Aston (C.E.) School and Schoolhouse. A urinal and five water closets have been put in and connected to the sewer.

Braughing Rural District.

The new Rural District of Braughing.

1. The Rural District of Buntingford (except the parishes of Rushden, Sandon and Wallington).
2. The Rural District of Hadham (except parts of the parishes of Braughing, High Wych and Thorley).
3. Part of the Parish of Therfield (Ashwell Rural District).
4. Part of the Parish of Standon (Ware Rural District).

Water.

Much Hadham has a public supply derived from two boreholes (310 and 270 feet deep) ; the water is piped from a reservoir (60,000 gallons capacity, to the village and to the hamlets of Perry Green, Green Tye and Southend.

High Wych is supplied by the Hertfordshire and Essex Waterworks Company, Limited. Allen's Green has shallow wells only.

Albury has a piped supply derived from a private spring (west of the village) whose yield is uncertain. On Patmore Heath is a well supplied by a 100 feet deep bore.

Little Hadham is mainly supplied from wells.

Braughing is supplied from small boreholes.

Brent Pelham is privately supplied from a well (190 feet) at the south end of the village and a spring at the north end.

In Stocking Pelham water had to be carted to the village. A private 250 feet borehole was sunk recently and supplies neighbouring farms.

In Furneaux Pelham the western end of the village obtains its supply from a standpipe from a 250 feet borehole at the Hall.

At Barleycroft End the houses owned by the Brewery Company have a piped supply fed from a tank on the top of the Brewery (160 feet deep borehole). There is also a standpipe which supplies the other cottages.

The hamlet of East End is supplied from a well from which water is raised by hand.

Thorley depends on shallow wells on private property.

The town of Buntingford is supplied with water derived from a deep well sunk in the chalk, and is pumped into a reservoir of 60,000 gallons capacity from which it is distributed through 4-inch and 3-inch cast iron mains to Buntingford and the village of Aspenden.

Owing to the dry weather during the summer it became necessary to cart water weekly to the villages of Anstey, Meesden, Throcking, Cottered and Wyddial.

Difficulty was also experienced with the water supply to Hare Street and Great Hornead. It was overcome by the provision of a standpipe (at the entrance to the Hare Street Housing Site) fed from the water tower.

A 1-inch pipe was laid and a stand-pipe erected in the village of Great Hornead and connected to the water tower at the south end of Horse Shoe Lane, thus making water available to all the inhabitants of Great Hornead.

The Water Supply Scheme for Anstey, Aspenden, Buckland, Cottered, Great and Little Hornead, Layston, Meesden, Throcking, Westmill, Wyddial and Yardley was approved by the Ministry of Health after a Public Inquiry had been held at Royston on June 21st.

The Council resolved to combine with the Hitchin Rural District Council for the execution and maintenance of the head works in connection with the scheme, and to establish a joint Committee for management purposes.

The trial pumping at the Chipping borehole for testing the sufficiency of the water supply was satisfactorily completed by the end of the year. The water was found to be pure on analysis.

Drainage and Sewerage.

The sewage of Much Hadham is treated by broad irrigation on land at the south end of the village. There is a small sewage disposal works at High Wych consisting of a sprinkler and bacteria beds and final treatment on land.

Part of Braughing has a small irrigation area for the disposal of slop water.

The Buntingford Special Drainage District consists of portions of the parishes of Aspenden, Layston and Wyddial.

The sewage is conveyed to the Sewage Farm situated about $\frac{1}{2}$ -mile south-west of the town where it is treated by broad irrigation. Owing to the great increase in the volume of sewage it has become necessary to enlarge the outfall sewer, and plans are now being prepared to substitute a 12in. main sewer in lieu of the existing 9in.

A scheme for the efficient drainage of the village of Cottered has been submitted to the Ministry of Health who have sanctioned the construction of a sewer—the sewage to be treated by broad irrigation on land lying north of the village.

There are no public sewers in any of the remaining villages and the contents of pail closets and cesspools are disposed of on the gardens. Odd privies still exist in isolated places.

Scavenging.

House refuse is collected weekly in Buntingford and is disposed of by burning in an incinerator; tins and other indestructible refuse are tipped into a disused gravel pit.

Tins and other indestructible refuse are collected monthly in Braughing, and quarterly in High Wych. No collection is in operation in Little Hadham, Albury, Thorley or the Pelhams.

A quarterly collection of indestructible refuse is made in each of the remaining villages, but cannot be considered satisfactory owing to the long interval between collections and the difficulty in securing suitable dumps wherein to deposit the refuse. The gravel pits in which this refuse is deposited can only be approached during periods of dry weather, thus causing delay in collection.

The dump at Braughing is the property of the Council, but the dump at Much Hadham is only hired by the Council for the disposal of refuse.

In all other Parishes where refuse collection is in operation the contractors make their own arrangements for the provision of suitable dumps.

The River Rib.

Owing to the lessened flow over the weir during the summer the water became foul, and it became necessary in July to clear out the river bed along Pig's Nose, River Green and Chapel End.

The Pond at Hare Street, situated in the middle of the village, practically dried up in August, leaving a quantity of foul mud, and was cleaned out.

Housing.

The Buckland Clearance Order was confirmed by the Ministry of Health in July. The Area comprises 8 cottages, a cottage used as a Grocer's Stores and a Blacksmith's Sheds.

During the year the following Council Houses were completed:—

Great Hormead	...	30	Aspenden	...	...	8
Furneaux Pelham	...	4	Meesden	...	...	4

in course of construction and contemplated:—

Cottered	...	...	24	Layston	...	...	20
Thorley	...	...	2	Yardley	...	...	8
Much Hadham	...	20		High Wych	...	...	8
Buckland	...	...	12				

Housing Acts, 1919—1930.

Progress under Programmes at end of 1935.

Total number of houses erected by the Local Authority	...	240
Number of houses in process of erection or contemplated	...	136
„ „ applicants on waiting list for houses	...	64
„ „ houses on which subsidies have been paid	...	46
„ „ „ dealt with under the Housing (Rural Workers) Acts	...	3
„ „ „ demolished (dealt with in Clearance Areas)	...	10
„ „ „ „ („ „ under Part II.)	...	43

Council Houses.

Albury	10	Aspenden	26
Braughing	24	Layston	24
Brent Pelham	2	Meesden	10
Furneaux Pelham	4	Buckland	22
Stocking Pelham	4	Cottered	42
High Wych	8	Great Hornead	30
Little Hadham	4	Little Hornead	6
Much Hadham	14	Anstey	5
Thorley	2	Yardley	6
Broadfield, Throcking, Wyddial	—	Westmill... ..	6

INFECTIOUS DISEASES.

	At all ages	Under 1 year	1-2 years	2-3 years	3-4 years	4-5 years	5-10 years	10-15 years	15-20 years	20-35 years	35-45 years	45-65 years	65 years & over	Removed to Hospital	Treated in School Sanatorium	Nursed at Home	Died
Small-pox ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever ...	19	1	1	...	1	...	8	5	1	2	...	...	...	14	...	5	...
Enteric Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever ...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
" Pyrexia...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Pneumonia ...	8	1	...	...	...	...	...	...	...	2	1	2	2	1	...	...	5
Ophthalmia Neonatorum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas ...	2	...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...
Malaria ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dysentery ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Trench Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebro-spinal Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Polio-myelitis ...	1	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	...
Encephalitis Lethargica	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pulmonary Tuberculosis	6	...	...	...	...	...	1	...	...	3	1	1	...	4	...	...	2
Other Tuberculosis	2	...	...	...	...	...	1	...	...	...	...	...	1	2	...	...	1

An outbreak of scarlet fever occurred in Buntingford during July and 11 cases were notified—two households accounting for 7 of them. A private school, which 4 of the children attended, closed for the summer holidays a fortnight before the usual date.

WARE (U.D).—Water Analysis.,

*Upper Waterworks.***Chemical results in Parts per 100,000.**

Appearance...	...	...	Bright, very slight mineral deposit.
Colour	...	...	Normal.
Odour	...	...	None.
Reaction pH.	...	...	Neutral 7'2.
Electric Conductivity at 20° C			550.
Total Solids, 180° C ...	...		37.
Chlorine in Chlorides	...		1'9.
Nitrogen in Nitrates...	...		0'32.
Nitrates ...	...		Absent.
Hardness : Permanent	...		6'5.
Temporary	...		23'5.
Total	...		30.
Metals ...	...	...	Minute trace of Iron—0'025.
Free Ammonia	...	...	0'0008.
Albuminoid Ammonia	...		0'0002.
Oxygen absorbed in 4 hours at 80° E.	...	...	0'01.

Bacteriological Results.

No. of Bacteria per c.c.—

On Agar in 3 days at 20° C.	130.
On Agar in 1 day at 37° C....	7.
The Bacillus Coli...	Absent in 100 c.c.
Bacillus Welchii ...	Absent in 100 c.c.

Report : Both organically and bacteriological it is of a high degree of purity.

HODDESDON (U.D.)—Water Analyses.

	Hoddesdon Pumping Station.	Broxbourne Mains (after Chlorination).	Conduit in High Street (Spring water).
<i>Chemical Results in parts per 100,000.</i>			
Appearance	No turbidity	Clear and bright	
Colour	None	Normal	
Odour	None	Nil	
Reaction	Alkaline	Acid pH. 6·4	
Residue after evaporation	Whitish ; no charring		
Free Carbonic Acid ...		3·3	
Electric Conductivity at 20° C.		330	
Total Solids, 180° C. ...		23	
Free Ammonia	None	0·0004	
Albuminoid Ammonia ...		0·001	
Chlorine in Chlorides ...	4	4	1·7
Nitrogen in Nitrates ...	0·4	0·2	0·72
Nitrites	None		Absent
Oxygen absorbed at 80° C. in 15 minutes	0·1	0·1	
4 hours			0·02
Metals	Absent		Absent
Hardness: Permanent ...	14	13	9
Temporary ...	25	32	3·5
Total ...	39	45	12·5

Bacteriological Results.

No. of Bacteria per c.c.			
On Agar in 3 days at 20° C.	8	474	10
„ „ „ 1 day at 37° C.			0
„ „ „ 2 days at 37° C.	23	210	1
The Bacillus Coli ...	Present in 50c.c.	Absent in 50c.c.	Absent in 100c.c.
Bacillus Welchii			„

Report :—Suitable for all domestic purposes (including drinking).

WARE (R.D.)—Water Analyses.

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<i>Widford</i> (Nether St.)	<i>Standon</i> (Council Cottages)	<i>Hunsdon</i> (Village Well)	<i>Gt. Mundon</i> (Nasty)	<i>It Mundon</i> (New Council Cottages)	<i>Wareside</i> (Council Cottages)	<i>Stanstead Abbotts</i> (Council Cottages)
CHEMICAL RESULTS IN PARTS PER 100,000.						
Appearance	Bright, few chalk particles	Bright, slight deposit of mineral particles	Faint opalescence and slight mineral debris			Clear and bright
Colour	Normal	Normal	Normal	Normal	Normal	Normal
Odour	Nil	Nil	Nil	Nil	Nil	Nil
Reaction pH	Neutral 7	Neutral 7.4	Neutral 7.5	Neutral 7.6	Neutral 7.5	Neutral 7.4
Electric Conductivity at 20° C.	710	830	600	535	535	720
Total Solids, 180° C.	47	55	40	36	36	48
Chlorine in Chlorides	2.4	3.6	2	1.3	1.7	3.9
Nitrogen in Nitrates	0.56	1.4	0.44	0.64	0.28	0.46
Hardness: Permanent	14	13.5	6.5	7	8.5	13
Temporary	24	28.5	25.5	25	23.5	25
Total	38	42	32	32	32	38
Metals	Absent	Trace of Iron 0.04 (none in solution)	Trace of Iron 0.025, Trace of Zinc	Trace of Iron 0.01, very distinct trace of Zinc	Trace of Iron 0.025, Trace of Zinc	No Iron, Distinct trace of Zinc
Free Ammonia	0.0004	0.0016	0.0008	0.0016	0.0022	0.0008
Albuminoid Ammonia	0.0012	0.0004	0.0004	0.0004	0.0004	0.0014
Oxygen absorbed in 4 hours at 80° F.	0.02	0.01	0.005	0.005	0.005	0.02
BACTERIOLOGICAL RESULTS.						
Number of colonies per c.c. of water growing upon Agar at 20° C. in 3 days	...	...	...	...	...	...
Ditto at 37° C. in 1 day	...	...	...	...	...	...
Ditto ditto in 2 days	...	...	...	...	...	...
Smallest quantity of water producing acid and gas in Bile-salt Lactose Broth after 2 days incubation at 37° C.	...	...	...	...	...	...
Smallest quantity of water containing the Bacillus Coli	...	...	...	...	...	...
Ditto containing the Bacillus Welchii	...	...	...	...	...	...
Report	Wholesome	Wholesome	Wholesome	Wholesome	Wholesome	Wholesome

Stanstead Abbotts
(School)

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1
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Absent in 100 c.c.

Ditto

Ditto

Wholesome

BRAUGHING (R D.).

Buntingford Waterworks.

Reaction	...	...	...	Alkaline.
Colour and Turbidity	...	...	...	None.
Odour	...	...	...	None.
Residue on evaporation	...	...	...	Grey ; no charring on ignition.
Chlorides	...	...	...	5 parts per 100,000.
Nitrites	...	...	...	None.
Nitrates	...	...	...	A trace ; about 0.1 parts per 100,000.
Free Ammonia	...	...	...	Faintest trace.
Oxygen absorbed in 3 hours	...	...	...	
at room temperature	...	...	...	0.02 parts per 100,000.
Metallic impurities...	...	...	...	None.
Hardness: Temporary	...	...	...	44°.
Permanent	...	...	...	7°.
Total	...	...	...	51°.
Report	...	...	...	Pure and wholesome.

Ardeley. Public Well (200ft. deep).

No. of colonies growing at 37° C. in 48 hours	...	...	6 per c.c.
" " " " 22° C. " " "	...	...	27 per c.c.
Bacillus Coli absent in 50 c.c.	...	...	

Report: No evidence of any contamination.

HERTFORD M.B.—Analyses of Sewage Effluents.

RESULTS EXPRESSED IN PARTS PER 100,000.							
		<i>January</i>	<i>March</i>	<i>May</i>	<i>July</i>	<i>September</i>	<i>November</i>
Appearance	...	Bright, slight humus deposit	Bright, very slight humus deposit	Bright, slight humus deposit	Bright, very slight humus deposit	Bright, few particles of humus	Bright, deposit of humus
Colour	...	Faint yellow	Faint Yellow	Faint yellow	Yellow	Faint yellow	Yellow
Odour	...	Faint earthy	Faint earthy	Earthy	Earthy	Very faint earthy	Earthy
Suspended Matter, Total	...	Under 1	Under 1	Under 1	Under 1	Traces	Under 1
Chlorine	...	" "	" "	" "	" "	" "	" "
Nitrites	...	4.2	4.4	4.5	3.8	3.6	4.6
Nitrogen in Nitrates	...	Minute trace	Minute trace	Trace	Minute trace	Absent	Absent
Free Ammonia	...	0.34	0.46	0.36	0.36	.32	0.22
Albuminoid Ammonia	...	0.87	1.15	0.97	1.17	1.36	1.070
Oxygen absorbed, 4 hours at 80° F.	...	0.07	0.035	0.092	0.036	0.033	0.068
" " 3 minutes	...	0.52	0.27	0.54	0.3	0.25	0.340
Impurity figure	...	6.1	3.1	7.3	3.3	2.9	5.1
Biological oxygen demand	...	1.6	1.0	0.95	1.05	0.24	0.3
Report	...	Satisfactory	Good	Good	Good	Good	Very Good

HODDESDON URBAN DISTRICT, 1935.

Analyses of Sewage Effluents taken from outfall pipe to interception drain for Hoddesdon Sewage Farm.

		PARTS PER 100,000.				
		March	May	July	September	November
Total dissolved matter	...	78.00	95.00	98.00	84.00	83.00
Dissolved organic matter	...	6.00	6.50	3.50	6.00	5.00
Chlorine in Chlorides	...	10.40	12.30	14.30	12.50	11.00
Equal to Sodium Chloride	...	17.14	20.27	23.57	20.60	18.13
Nitrogen in Nitrates	...	2.36	3.30	4.72	4.01	3.46
Equal to Nitric Acid	...	9.10	12.73	18.20	15.45	13.33
Free (Actual or Saline) Ammonia	...	1.86	.74	.06	.125	.29
Albuminoid (Organic) Ammonia	...	.23	.17	.09	.040	.06
Oxygen absorbed by oxidisable organic matter, etc., from a solution of potassium permanganate at a temperature of 80° F.—	...					
In 15 minutes	...	.50	.57	.72	.54	.39
In 4 hours	...	.88	1.00	1.08	.85	.75
Dissolved Atmospheric Oxygen absorbed in five days, after complete initial saturation with air of the effluent, including its sedimentary and suspended matter	...	1.3	2.2	1.8	1.30	1.85
Total suspended matter	...	0.2	0.4	0.8	0.30	0.20
Report	...	Satisfactory	Good (except for rather high dissolved oxygen absorption figure)	Satisfactory	Satisfactory	Satisfactory

WARE (U.D.)—*Public Baths.*

Appearance ...	...	...	Slight white opalescence.
Colour ...	...	...	Normal.
Odour ...	...	...	Nil.
Reaction pH ...	...	...	Neutral 7.8.
Electric Conductivity at 20° C. ...	...	...	665.
Total Solids, 180° C. ...	...	...	44.
Chlorine in Chlorides ...	...	...	6.7.
Nitrogen in Nitrates ...	...	...	0.6.
„ Nitrites ...	...	...	Absent.
„ Free Chlorine ...	...	...	0.05.
Hardness—Permanent ...	...	...	11.5.
Temporary ...	...	...	18.5.
„ Total ...	...	...	30.
Metals ...	...	...	Absent.
Free Ammonia ...	...	...	0.0124.
Albuminoid Ammonia... ..	...	...	0.0296.
Oxygen absorbed in 3 hrs. at 37° C. ...	...	...	0.065.
No. of Bacteria per c.c. :—			
On Agar in 3 days at 20° C. ...	...	...	7.
„ „ „ 1 day at 37° C. ...	...	...	5.
„ „ „ 2 days at 37° C. ...	...	...	6.
The Bacillus Coli ...	...	...	Absent in 100 c.c.
Bacillus Welchii ...	...	...	„ „ „
(B. Enteritides Sporogenes)			
Streptococci ...	...	...	„ „ 10 c.c.

Report: This is a reasonably clear and bright water of normal colour and neutral reaction. It contains no excess of saline or mineral matter in solution and is free from metals. A very minute trace of free chlorine was present and the water is of a high degree of bacterial purity. We regard the water as suitable and safe for swimming bath purposes.

SAWBRIDGEWORTH URBAN DISTRICT.

Medical Officer of Health - ETHELBERT COLLINS.

Sanitary Inspector - - A. T. WATTS.

Area (in acres)	...	...	...	2,678
Estimated Population (mid.-1935)	...	...	...	2,846
Number of inhabited houses	...	...	...	840
Rateable Value (Oct., 1935)	...	...	...	£16,664
Sum represented by a penny rate	...	...	...	£65

Extracts from Vital Statistics.

	Total.	M.	F.	Per 1,000 population.
Live Births {legitimate ...	29	17	12	Birth Rate, 10'9.
{illegitimate ...	2	1	1	
Stillbirths	0			
Deaths	32	24	8	Death Rate, 11'2.
Deaths of Infants under 1				Per 1,000 live births.
year of age	1	1	0	Infantile Mortality
				Rate, 32.

There was no deaths from Measles, Whooping Cough, Infantile Diarrhoea or Childbirth.

Notifiable Diseases.

	No. of Cases.	Admitted to Hospital.	Deaths.
Smallpox	0	0	0
Scarlet Fever	4	4	0
Diphtheria	1	1	0
Enteric Fever	0	0	0
Lobar Pneumonia	1	0	1
Tuberculosis	1	1	0

Causes of Death.

	M.	F.
Influenza	3	—
Cancer	2	1
Cerebral heamorrhage	1	1
Heart disease	5	2
Other circulatory diseases	2	2
Bronchitis	1	—
Pneumonia	1	1
Other respiratory diseases	1	—
Peptic Ulcer	1	—
Other digestive diseases	3	1
Suicide	1	—
Other forms of violence	2	—
Other defined causes	1	—

*Sanitary Circumstances of the District.**Water.*

There is a piped supply from the mains of the Herts and Essex Waterworks Company to the town. The hamlet of Spelbrook depends on shallow wells.

Drainage and Sewerage.

With the exception of about 25 houses mostly in Spelbrook which have a conservancy system, the district is sewered. The sewage disposal works consist of septic tanks and filter bed and the effluent is discharged into the River Stort.

Scavenging.

House refuse is collected weekly in a covered horse drawn conveyance and disposed of by tipping on the outskirts of the district.

Sanitary Inspector's Summary.

Particulars.	Total number for the year.	Result of Inspection and other remarks.
Nuisances detected	25	
Nuisances abated	25	
Notices served	None	
Cottages inspected	250	
Slaughter-houses (Licensed)	1	8 inspections
Bake-houses	4	8 inspections
Workshops	25	25 inspections
Cowsheds inspected	14	Including those outside the Urban Area, and selling milk in Sawbridgeworth.
Dairies inspected	14	
Overcrowding abated	14	4 in West Road and 10 at Spelbrook.
Houses erected or rebuilt	20	
„ connected with water mains and sewers	14	
Wells sunk or improved supplies of water afforded	6	Spelbrook.
Wells closed	None	Spelbrook.
Pumps repaired	1	
Earth, Pail or improved Privies constructed or existing Privies altered... ..	10	Spelbrook.

Housing.

1. *Inspection of Dwelling-houses during the year :—*

Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts)	250
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Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	6
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Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation	14
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2. *Remedy of Defects during the year without service of formal notices :—*

Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers	14
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3. *Action under Statutory Powers during the year :—*

(Proceedings under Sections 19 and 21 of the Housing Act, 1930).

Number of dwelling-houses in respect of which Demolition Orders were made	6
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Number of dwelling-houses demolished in pursuance of Demolition Orders	0
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Number of Council Houses	62
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" " " " contemplated	19
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Inspection of Factories, Workshops and Workplaces.

Factories (including Laundries) inspected	0
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Workshops " " " 	25
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Workplaces (other than outworkers' premises)	25
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Total number of inspections	50
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" " " defects found	0
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Workshops.

Bakehouses	5	Plumbers	2
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Wheelwrights	2	Watchmakers	2
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Laundries	2	Photographer	1
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Barbers	3	Dressmakers and Milliners	3
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Engineer	1	Builders and Carpenters	6
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Bootmakers	4	Stonemason	1
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Tailors	3	Bicycle repairer	1
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